


**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.


**DATA MATRIX**

Date 2/11/09			EPA Reg. No./File Symbol 35896-28		Page 1 of 4
Applicant's/Registrant's Name & Address Phibro-Tech, Inc. 2395 Cains Mill Road Sumter, SC 29154			Product Copper Carbonate Technical		
Ingredient					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition, original process (see Basic CSF)	44554701	55146	PER	
830.1550	Product Identity and Composition, alternate process (see Alternate CSF #1)	47231101	35896	OWN	
830.1600	Description of Materials Used to Produce the Product, original process (see Basic CSF)	44554701	55146	PER	
830.1600	Description of Materials Used to Produce the Product, alternate process (see Alternate CSF #1)	47231101	35896	OWN	
830.1620	Description of Production Process, original process (see Basic CSF)	44554701	55146	PER	
830.1620	Description of Production Process, alternate process (see Alternate CSF #1)	47231101	35896	OWN	
830.1650	Description of Formulation Process				Not Required <sup>1</sup>
830.1670	Discussion of Formation of Impurities, original process (see Basic CSF)	44554701	55146	PER	
830.1670	Discussion of Formation of Impurities, alternate process (see Alternate CSF #1)	47231101	35896	OWN	
Signature 			Name and Title Ronald L. Miller, Director of Registrations		Date 2/11/09

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Applicant's/Registrant's Name & Address Phibro-Tech, Inc. 2395 Cains Mill Road Sumter, SC 29154			Product Copper Carbonate Technical		
Ingredient					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1700	Preliminary Analysis, original process (see Basic CSF)	44554702	55146	PER	
830.1700	Preliminary Analysis, alternate process (see Alternate CSF #1)	47252701	35896	OWN	
830.1750	Certified Limits, original process (see Basic CSF)	44554702	55146	PER	
830.1750	Certified Limits, alternate process (see Alternate CSF #1)	47252701	35896	OWN	
830.1800	Enforcement Analytical Method	44554702	55146	PER	
		47252701	35896	OWN	
830.6302	Color	44554703	55146	PER	
830.6303	Physical State	44554703	55146	PER	
830.6304	Odor	44554703	55146	PER	
830.6313	Stability to Normal and Elevated Temperatures, Metals, and Metal Ions	43363705	56501	OWN	See Notes <sup>2</sup>
830.6314	Oxidation/Reduction: Chemical Incompatibility	47521701	35896	OWN	
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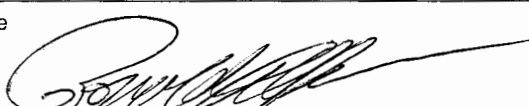
Date 2/11/09			EPA Reg. No./File Symbol 35896-28		Page 3 of 4
Applicant's/Registrant's Name & Address Phibro-Tech, Inc. 2395 Cains Mill Road Sumter, SC 29154			Product Copper Carbonate Technical		
Ingredient					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6315	Flammability				Not Required <sup>3</sup>
830.6316	Explosibility				Not Required <sup>4</sup>
830.6317	Storage Stability	46035901	56248	PAY	
830.6319	Miscibility				Not Required <sup>5</sup>
830.6320	Corrosion Characteristics	46035901	56248	PAY	
830.6321	Dielectric Breakdown Voltage				Not Required <sup>6</sup>
830.7000	pH	44554703	55146	PER	
		43363705	56501	OWN	
830.7050	UV/Visible Absorption	47521702	35896	OWN	
830.7100	Viscosity				Not Required <sup>7</sup>
830.7200	Melting Point/Melting Range	44554703	55146	PER	
830.7220	Boiling Point/Boiling Range				Not Required <sup>7</sup>
830.7300	Density/Relative Density/Bulk Density	44554703	55146	PER	
830.7370	Dissociation Constant				Not Required <sup>8</sup>
Signature 			Name and Title Ronald L. Miller, Director of Registrations		Date 2/11/09

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Ingredient					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Acute Toxicity and Generic Data Requirements including any others required for this action</b>					
830.7550, 830.7560, 830.7570	Partition Coefficient (n-octanol/water)				Not Required <sup>9</sup>
830.7840, 830.7860	Water Solubility	44554703	55146	PER	
		43363705	56501	OWN	
830.7950	Vapor Pressure				Not Required <sup>8</sup>
870.1100	Acute oral toxicity	46035902	56248	PER	
870.1200	Acute dermal toxicity	41889302	1109	OLD	
870.1300	Acute inhalation toxicity	47493002	56248	PER	
870.2400	Primary eye irritation	41889301	1109	OLD	
870.2500	Primary dermal irritation	41889302	1109	OLD	
870.2600	Dermal sensitization				Waiver <sup>10</sup>
Signature 			Name and Title Ronald L. Miller, Director of Registrations		Date 2/11/09

## Endnotes for Data Matrix for Copper Carbonate Technical, 35896-28

<sup>1</sup>**830.1650** – Per OPPTS 830.1000, these data are not required for the registration of a technical product. See 830.1620 for production process information.

<sup>2</sup>**830.6313** – This product does not contact metals or metal ions during storage.

<sup>3</sup>**830.6315** – This product does not contain any flammable materials and is a solid; therefore, these data are not applicable nor are they required. Please refer to the Confidential Statement of Formula for additional information on the composition of this product.

<sup>4</sup>**830.6316** – This product does not have explosive characteristics; therefore, these data are not required. Please refer to the Confidential Statement of Formula for additional information on the composition of this product.

<sup>5</sup>**830.6319** – This product is a solid. In addition, the proposed label does not recommend dilution of the product with petroleum solvents; therefore, these data are not applicable nor are they required.

<sup>6</sup>**830.6321** – This product is not proposed for use around electrical equipment; therefore, these data are not applicable nor are they required. Furthermore, these data are not required for a manufacturing-use product per OPPTS 830.1000.

<sup>7</sup>**830.7100, 830.7220** – This product is a solid at room temperature; therefore, these data are not applicable nor are they required.

<sup>8</sup>**830.7370** – This product is an inorganic salt; therefore this data requirement is not applicable.

<sup>9</sup>**830.7550, 830.7560, 830.7570** – Copper carbonate is inorganic, therefore these data are not required per OPPTS 830.1000.

<sup>7</sup>**830.7050, 830.7840, 830.7860** – Copper carbonate is not sufficiently soluble in water or organic solvents to permit performing these tests; this is well documented in the public literature. Copper carbonate can be dissolved in amines or mineral acids, but once dissolved the copper is no longer in the form of copper carbonate.

<sup>8</sup>**830.7100, 830.7950** – Copper carbonate decomposes on heating (approximately 220 °C) to form the oxide, which is a refractory species. This datum is well documented in the public literature.

<sup>9</sup>**830.7550, 830.7560, 830.7570** – Copper carbonate is inorganic; therefore these data are not required per OPPTS 830.1000.

<sup>10</sup>**870.2600** – Per “Guidance for the Reregistration of Pesticide Products Containing Group II Copper Compounds as the Active Ingredient”, (EPA, April 1987), copper is a known skin sensitizer and data are not required.